

# 8100

## ProTwin® Slinger®

Side Discharge Spreaders



870 – 5000 Gallons

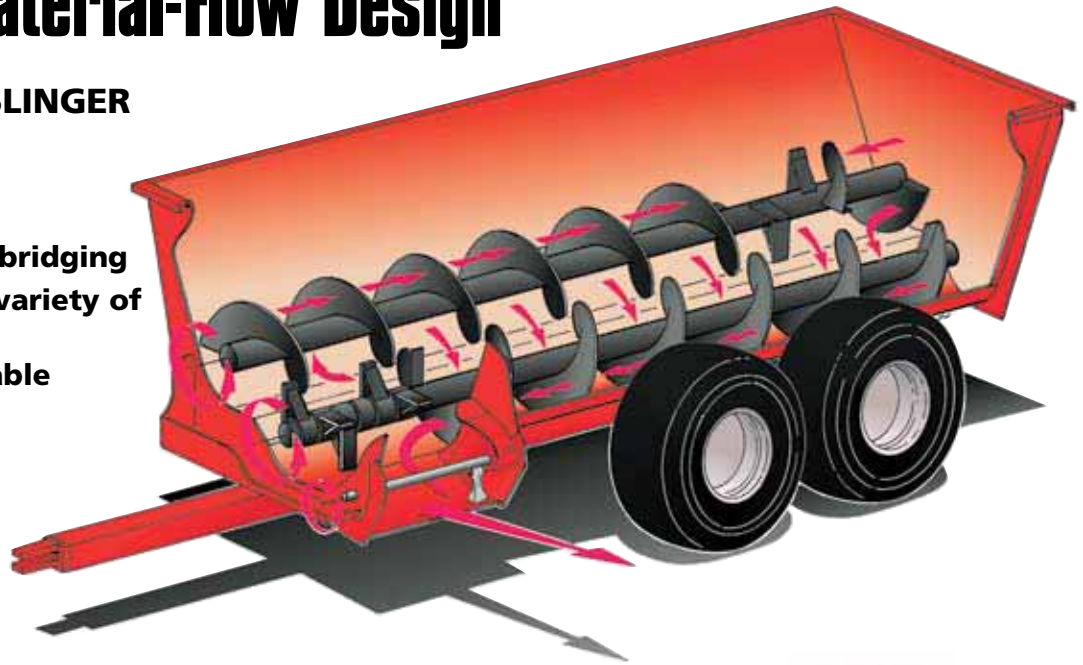


WORLD-WIDE LEADER IN MANURE SPREADERS

# Innovative Material-Flow Design

## GET THE PROTWIN SLINGER ADVANTAGE

- Even and controlled spread pattern
- Eliminates material bridging
- Spreads the widest variety of material
- Simple and dependable
- Versatile, multi-purpose unit



## THE PATENTED PROTWIN DESIGN

The ProTwin Slinger features the patented twin-auger design that provides an even and consistent material flow to the discharge. The left auger moves the material forward to the hammer discharge and the raised right auger moves the material rearward while keeping the left auger charged. When the material enters the hammer discharge, each hammer swings down into the material, peeling it off, pulverizing it, and slinging it underhand into an even and controlled spread pattern.

This patented design keeps the load level and helps eliminate bridging and packing. It also makes the ProTwin effective in spreading the widest variety of materials, including gutter manure, slurry, penpack and yard scrapings, as well as most industrial wastes.

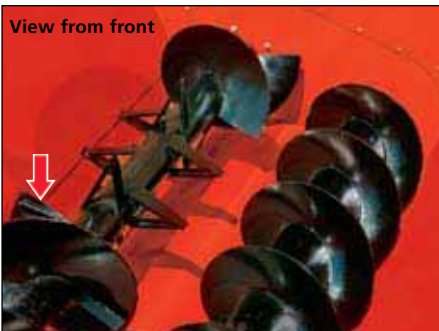
A simple chain and sprocket drive system with overload protection helps make the spreader simple and dependable.

Whether you spread a wide variety of agricultural materials, or have mulching, bedding, or industrial spreading needs, the versatile ProTwin Slinger has options for your specific operation.



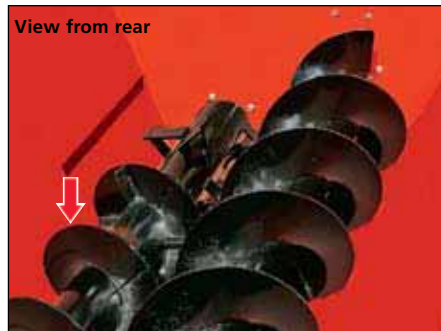
## FORGED-STEEL HAMMERS

- Universal hammers eliminate the need for separate left, right, or center hammers and improve the spread pattern, especially when spreading penpack.
- The entire hammer is through hardened to reduce wear, which increases the life of the hammer.



## RAISED RIGHT AUGER

- The raised right auger moves material rearward while charging the left auger, for a constant flow to the discharge.
- The rearward movement of material keeps the load level and helps eliminate material bridging and packing.



## LEFT DISCHARGE AUGER

- The lower auger constantly moves material forward for a consistent and smooth flow to the discharge for an even spread pattern.
- A close tolerance allows the auger to sweep the hopper for fast material clean-out.



## HAMMER DISCHARGE

- The discharge design includes forged-steel, free-swinging hammers that fold back to absorb shock from most foreign objects.
- The adjustable shroud allows easy hammer-clearance setting to maintain a superior spread pattern.





# Loaded with Features and Built To Last!



## ❶ PATENTED BODY DESIGN

The steep-angle sides and unique load-leveling action helps eliminate material bridging and the need for plastic liners or moveable augers.

This unique design also helps eliminate excessive forward movement of material, even during start up, closed-door turns, and fine spreading.

The heavy-duty steel body is backed by a seven year rust-through warranty.

Continuously-welded hopper seams help eliminate leakage and add strength.

❷ Lower auger shear paddles on models 8132/8141 provide added unit protection from foreign objects.

## ❸ HAMMER DISCHARGE

The combination of the proven free-swinging hammer design, adjustable hydraulic door, Bedder Spreader and variable ground speed enables fine spreading control and material calibration.

❹ The cleanout door provides access to the discharge opening and hammers for quick, easy cleanout.

## ❺ PTO DRIVELINE PROTECTION <sup>A</sup>

Spreaders are protected from shock and heavy loads by a unique automatically resetting torque disconnect.

The hammer shaft, and left auger are protected by the torque disconnect, while the right auger is shear-bolt protected.

## ❻ TANDEM OFFSET AXLE <sup>B</sup>

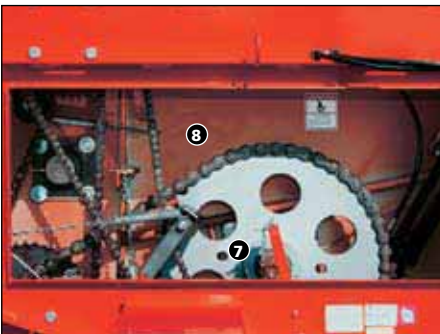
The tandem axle operates on greasable poly bushings and is designed to carry less weight on the front tires. This allows easier turning, less stress on the axle, better flotation and a smoother ride.

Heavy-duty tubular tongue directly pulls the axle for added strength.

Two-wheel hydraulic disc brakes on the 8150 provide a reliable braking system that assists the tractor to stop heavy loads.

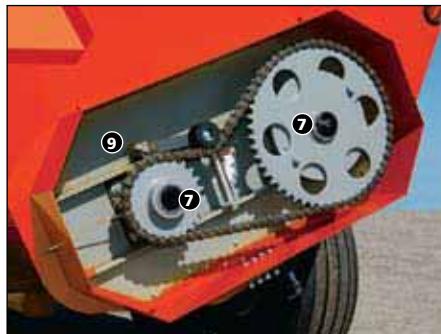
## ❼ EXCLUSIVE FRICTION-WELDED SPLINED SHAFTS

This state-of-the-art friction-welding process on the auger drive shaft provides a weld joint as strong as the shaft.



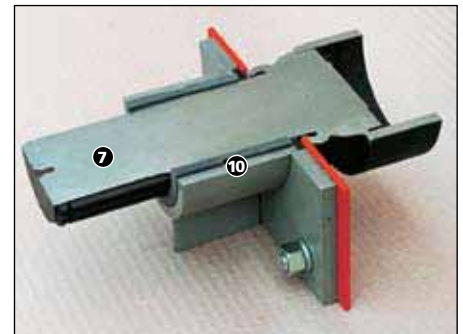
## ❸ FRONT OIL BATH DRIVE <sup>A, C</sup>

- Dependable, heavy-duty roller chain drive runs in oil and has spring-loaded, self-aligning poly tighteners for long life.
- Final drive shafts and sprockets are splined for strength and serviceability.



## ❹ REAR DRIVE COMPARTMENT <sup>A, C</sup>

- The right auger is driven at the rear and is shear-bolt protected.
- Bearings, chains and sprockets are easily accessible for routine maintenance.



## ❺ AUGER BEARINGS

- Nylon bearings, with polyethylene and rubber quad seals, provide simplicity, long-life, and help prevent oil bath contamination.

<sup>A</sup> Only on certain models; check spec page for more information. <sup>B</sup> Except models 8132 high flotation, 8141 and 8150. <sup>C</sup> To better illustrate certain details of the machinery, some safety devices may have been removed. Do not operate without all shields in place.

# Spreads and Beds the Widest Variety of Materials

## GET THE PROTWIN SLINGER VERSATILITY ADVANTAGE

- Gutter manure
- Slurry
- Penpack
- Yard Scrapings
- Sand-laden manure
- Bedding materials



## SPREADING AND BEDDING MADE EASY!

Many options are available to make spreading and bedding easier. Splash guards help contain gutter manure while a hydraulic lid provides flexibility to handle slurry as well as penpack and yard scrapings. The ProTwin Slinger also has the capability to spread sand-laden manure from the bottom of manure lagoons.

The ProTwin Slinger, which can spread a wider range of materials than any other spreader, can also spread many types of bedding material. Use sand, sawdust, woodchips, hulls, composted manure, chopped straw, corn fodder, or any other free-flowing material of choice to bed your freestalls, loafing barns, or open dry lots.

The versatility of the ProTwin Slinger should not be underestimated. The unique design of the ProTwin allows it to spread such a wide variety of material that a box spreader could be eliminated from your equipment needs. Truck-mounted units are also available with capacities from 1800 - 5000 gallons.



### SLURRY/SAND-LADEN MANURE

- The ProTwin will spread all types of slurry, including sand-laden manure, and will eliminate sand buildup in the spreader.
- The hydraulic lid can be installed with right- or left-side opening. Left-side opening will place the fill hole in back.

## THE PROTWIN COULD BE THE ONLY SPREADER YOU'LL NEED FOR YOUR OPERATION



### PENPACK

- The ProTwin can spread hard penpack easily with NO need for auger adjustment to help eliminate bridging.
- The patented material-flow design prevents excessive forward movement of material to help eliminate spillage and binding in penpack.



### SCRAPINGS/GUTTER MANURE

- The ProTwin can spread cement yard scrapings to gutter manure with outstanding spread performance.
- The ProTwin provides not only reliable performance and service, but also a low profile to clear most barn cleaners.



### BEDDING MATERIALS

- The ProTwin with Bedder Spreader can spread a wider variety of bedding with more even distribution than any other bedder on the market.
- When using sawdust, extensions can be added to the spreader for additional capacity.

**World-Wide Leader In Manure Spreaders**



# Now More Control with the **BEDDER SPREADER**

## GET THE BEDDER SPREADER ADVANTAGE

- Controlled and adjustable spread pattern
- Even distribution of manure or bedding
- Fast, efficient and convenient operation
- Saves time, labor and bedding
- Dual purpose spreader or bedder



## FINGERTIP CONTROL SPREAD PATTERN

The ProTwin Slinger provides complete control of the discharge pattern by allowing the operator to easily adjust the **Bedder Spreader** hydraulically from the tractor seat. Control the spread width while spreading on contour strips and near fencelines or control the spread height when spreading under trees or other vegetation. Spread width can be controlled from 3' windrows to a 50' fine spread pattern. The Bedder Spreader is very helpful for controlling the spread pattern on windy days.

The Bedder Spreader provides flexibility to change the spread width for better distribution on the ground, especially when spreading light and dry material like chicken litter. It also creates an even distribution of material when bedding freestalls to make a clean, dry, comfortable and easily maintained stall bed.

The Bedder Spreader quickly and efficiently spreads material to the desired location with fingertip control. Save time, labor and material by easily and conveniently bedding freestalls, loafing barns and open dry lots with little or no bedding waste. This dual-purpose machine allows flexibility to spread manure or bedding, providing versatility for your operation.

## MANY OTHER PROTWIN SLINGER APPLICATIONS



### SIDE/TOP DRESSING

- Side or top dressing can be applied in orchards, on turf grass, or other applications that need fertilizer, soil amendments or erosion control for grass establishment.



### SPREADING

- Spread most types of waste, including citrus, onion, potato and other vegetables; paper; gin trash; biosolids and many other farm and industrial by-products.



### BEDDING

- Bed open drylots, maternity pens, and loafing barns. The Bedder Spreader is ideal for filling open housing with straw, corn fodder or other bedding materials.

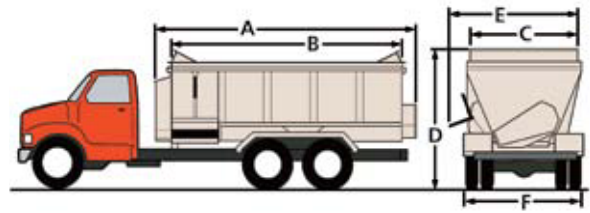
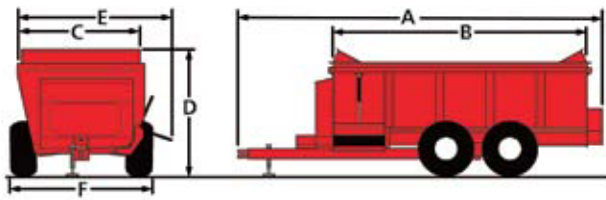


### MULCHING

- Mulch or compost can be applied to orchards, nurseries, new seeding, golf courses or any other application that needs soil moisture maintained and weed growth reduced.

# MODEL SPECIFICATIONS

For truck chassis information on mounting ProTwin Slinger spreaders, call or see your dealer or visit our Web site at [www.kuhnnorthamerica.com](http://www.kuhnnorthamerica.com)



TRAILER-TK

TRUCK-TK <sup>1</sup>

MODEL (INCHES)	8110	8114	8118	8124	8132	8141	8150					
DIMENSIONS (INCHES)	TR	TR	TR	TK	TR	TK	TR	TK	TR	TK	TR	TK
A - Overall Length	213	245	274	216	274	216	274	220	322	264	324	
B - Inside Hopper Length	144	168	192	192	192	192	192	192	240	240	240	
C - Top Inside Hopper Width	56	64	73	73	82	82	90	90	90	90	96	
D - Overall Height <sup>1, 2</sup>												
- Tire Option Used <sup>2</sup>	14x16.1	19x16.1 (SA)	16.5x16.1	na	19x16.1	na	21.5x16.1	na	28Lx26	na	30.5Lx32	
- Single Axle (sa) (w/o <sup>3</sup> )	53	57	na	95	na	105	na	na	na	na	na	CONTACT
- Tandem Axle (ta) (w/o <sup>3</sup> )	na	61	69	93	79	103	92	111	93	111	103	FACTORY
- w/wood rails <sup>3</sup>	57	61 sa / 65 ta	na	na	na	na	na	na	na	na	na	
- w/splash guards <sup>3</sup>	62	66 sa / 70 ta	77	104	88	114	101	122	102	122	112	
- w/wood rails & splash guards <sup>3</sup>	66	70 sa / 74 ta	na	na	na	na	na	na	na	na	na	
- w/lid <sup>3</sup>	na	na	91	116	99	125	115	136	116	136	127	
E -Overall Width <sup>2</sup>												
- w/Bedder Spreader (option)	99	110	114	111	114	111	122	117	136	117	139	
F - Tread Width	80	96 (sa)	98	96	102	96	114	96	136	96	139	

## SPECIFICATIONS

Unit Weight <sup>4</sup> (tr / tk) - pounds	3740 / na	4600 / na	7150 / 5618	7800 / 5856	10,460 / 7850	15,340 / 10,325	19,640 / na
Maximum Net Load - pounds	10,000	15,000	18,000	24,000	32,000	40,000	50,000
Capacity - w/o rails / w/4" rails							
Gallons (struck level)	871 / 1008	1241 / 1426	1818 / na	2417 / na	3251 / na	4060 / na	5000 / na
Cubic Feet (struck level)	116 / 135	165 / 190	242 / na	323 / na	435 / na	543 / na	668 / na
Cubic Yards (struck level)	4 / 5	6 / 7	9 / na	12 / na	16 / na	20 / na	25 / na
Augers							
Diameter - L / R	20" / 14"	20" / 18"	20"	20"	24"	24"	24"
Flighting Thickness	3/8" helicoid			3/8" sectional			
Tube Diameter - L / R	8 5/8" / 5 9/16"			8 5/8" / 8 5/8"			
Drive Shaft Diameter - L / R	3 1/2" / 3"			4" / 3 1/2"			
Shear Paddles	no	no	no	no	yes	yes	yes
Drive							
PTO-RPM	540	540	540 / 1000	540 / 1000	CV - 1000	CV - 1000	CV - 1000
PTO Protection	friction-clutch			torque-disconnect			
Roller Chain - augers	60-100-80	60-100-80	60-80-120-100	60-80-120-100	60-100-140-120	60-100-140-120	60-100-140-120
Roller Chain - discharge	60H	60H	60H	60H	80	80	80 - 2
Enclosed Front Oil Bath	no	no	yes	yes	yes	yes	yes
Hammer Expeller and Hammers							
Expeller - RPM	810	810	845 / 870	845 / 870	833	833	694
Expeller Shaft Diameter	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"
Expeller Swing Diameter	20"	20"	20"	20"	20"	20"	24"
Number of Hammers	12	12	15	15	15	18	18
Box Construction - thickness							
Hopper Bottom	7 GA.	7 GA.	1/4"	1/4"	1/4"	1/4"	1/4"
Front Panel	10 GA.	10 GA.	7 GA.	7 GA.	1/4"	1/4"	1/4"
Rear Panel / Side Panels	10 GA.	10 GA.	10 GA.	10 GA.	7 GA.	7 GA.	7 GA.
Door Opening Size	18" x 30"	18" x 30"	18" x 39"	18" x 39"	18" x 39"	18" x 47"	22" x 47"
Axle Type <sup>5</sup>	sa	sa / ta	ta	ta	ta / hf	hf	hf
Spindle Diameter - sa/ ta / hf <sup>5</sup>	2 1/2" / na / na	3" / 2 1/2" / na	na / 2 1/2" / na	na / 3" / na	na / 3 3/8" / 4 1/2"	na / na / 4 1/2"	na / na / 5"
Hub	8-bolt	8-bolt	8-bolt	hd 8-bolt	10-bolt	hd 10-bolt	xhd 10-bolt
Tongue Size	4" x 6"	4" x 6"	6" x 6"	6" x 8"	8" x 8"	8" x 10"	8" x 10"
Tongue Weight - % gross	10%	10%	11%	11%	12%	12%	8%
Tractor Requirement - PTO <sup>6</sup>	60	80	100	120	140	180	225

<sup>1</sup> Truck dimensions are based on 41" truck frame height. <sup>2</sup> Heights and widths based on tire size listed. <sup>3</sup> Optional equipment. <sup>4</sup> Unit equipped with most common options.

<sup>5</sup> High Flotation (HF) tandem-axle. The 8150 has two-wheel hydraulic brakes as standard equipment.

<sup>6</sup> Horsepower requirement may vary with different materials. Consult operator's manual for proper tractor sizing.

We reserve the right to change any equipment specifications, design, or materials without notice. These spreaders are designed for agricultural use only with materials estimated up to 65 lbs. per cubic foot. Contact factory for non-agricultural use or heavier materials. Equipment shown in this literature may be protected by at least one patent and/or trademark.



SAFETY FIRST

Always read and understand the Operator's Manual and all Safety Decals before using the equipment.

YOUR KUHN KNIGHT DEALER

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